Title (en)

Encoding and decoding system

Title (de)

System zum Kodieren und Dekodieren

Title (fr)

Système de codage et de décodage

Publication

EP 0665547 B1 20011219 (EN)

Application

EP 95300541 A 19950127

Priority

KR 19940001577 A 19940128

Abstract (en)

[origin: EP0665547A2] An encoding apparatus which utilizes masking characteristics of channels for bit allocation in order to encode digitally sampled audio signals of at least two channels in units of an audio frame. The apparatus allocates the bits to the divided bands of the first and second channels, detects a channel in which the respective divided bands all have a masking to noise ration which exceeds a masking threshold the other channel. The encoding apparatus has a bit allocation portion (13A, 13B) for producing bit allocation information corresponding to each channel and bit ratio information between the channels, a first quantizer (14A) for receiving audio signals of the first channel divided bands and quantizing the received audio signal in response to the bit allocation information of the bit allocation portion (13A, 13B) to output the result, a second quantizer (14B) for receiving audio signals of the second channel divided bands and quantizing the received audio signal in response to the bit allocation information of the bit allocation portion (13A, 13B) to output the result, and a multiplexer (15) for multiplexing signals output from the first and second quantizers (14A, 14B), and the bit allocation information and the bit ratio information of the bit allocation portion (13A, 13B), to output the result, thereby providing an effect of improving sound quality even though an audio signal including many high frequency components may be reproduced. <IMAGE>

IPC 1-7

G11B 20/10; H04B 1/66

IPC 8 full level

G10L 19/00 (2013.01); **G10L 19/02** (2013.01); **G10L 19/035** (2013.01); **G11B 20/00** (2006.01); **H03M 7/30** (2006.01); **H04B 1/66** (2006.01)

CPC (source: EP KR US)

G10L 19/008 (2013.01 - KR); **G11B 20/00007** (2013.01 - EP US); **H04B 1/665** (2013.01 - EP KR US)

Cited by

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Designated contracting state (EPC)

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EP 0665547 A2 19950802; **EP 0665547 A3 19960110**; **EP 0665547 B1 20011219**; DE 69524649 D1 20020131; DE 69524649 T2 20020808; JP 3379610 B2 20030224; JP H07311594 A 19951128; KR 0134318 B1 19980429; KR 950024448 A 19950821; US 5734657 A 19980331

DOCDB simple family (application)

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